

# Technical data sheet



Product: 5480, 5481

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

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## 5480/5481 PTFE SKIVED FILM TAPE

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Tewipack Uhl GmbH  
Industriestraße 15  
D-75382 Althengstett

Telephone:  
+49(0)7051/9297-0  
Fax:  
+49(0)7051/9297-99

E-Mail:  
info@tewipack.de  
Website:  
www.tewipack.de

Managing director:  
Alexander Uhl,  
Michael Uhl  
HRB 330424  
Amtsgericht  
Stuttgart

Bank details:  
Sparkasse  
Sindelfingen  
Pforzheim  
Calw  
BLZ 666 500  
85  
Konto 17 787

Commerzbank  
Sindelfingen  
BLZ 603 400 71  
Konto 8 001 166

Vereinigte  
Volksbank AG  
Böblingen  
BLZ 603 900 00  
Konto 80 089  
003

Postbank  
Stuttgart  
BLZ 600 100  
70  
Konto 146  
294 708



# PTFE Skived Film Tape

5480 • 5481

## Technical Data

October, 2016

<b>Product Description</b>	3M™ PTFE Skived Film Tape 5480 and 5481 tapes offer an extremely low coefficient of friction which, in combination with a pressure sensitive silicone adhesive, creates a smooth, non-stick surface over a variety of substrates to assist in the movement of web materials in many types of roll-wrap applications
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<b>Product Construction</b>	<b>Backing</b>	<b>Adhesive</b>	<b>Color</b>	<b>Standard Roll Length</b>
	Skived PTFE (polytetrafluoroethylene)	Silicone	Gray	36 yds. (32.9 m)

<b>Typical Physical Properties</b>	<b>Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.</b>		
			<b>ASTM Test Method</b>
	<b>3M tape 5480</b>		
Adhesion to Steel:	20 oz./in. width (22 N/100 mm)		D-3330
Tensile Strength:	26 lbs./in. width (461 N/100 mm)		D-3759
Elongation at Break:	140%		D-3759
Backing Thickness:	2.0 mils (0.05 mm)		D-3652
Total Tape Thickness:	3.7 mils (0.09 mm)		D-3652
Temperature Use Range:	-65° to 500°F (-54° to 260°C)		
	<b>3M tape 5481</b>		
Adhesion to Steel:	32 oz./in. width (35 N/100 mm)		D-3330
Tensile Strength:	59 lbs./in. width (1039 N/100 mm)		D-3759
Elongation at Break:	290%		D-3759
Backing Thickness:	5.0 mils (0.13 mm)		D-3652
Total Tape Thickness:	6.8 mils (0.17 mm)		D-3652
Temperature Use Range:	-65° to 500°F (-54° to 260°C)		

<b>Features</b>	<ul style="list-style-type: none"><li>• Skived 3M™ PTFE Film Tapes are more conformable than typical extruded PTFE film tapes.</li><li>• Provides excellent chemical resistance except to organic solvents. <b>Note:</b> The silicone adhesive will be attacked by commercial organic solvents and so are not recommended for applications requiring organic resistance.</li><li>• Silicone adhesive provides clean removal from a variety of surfaces.</li><li>• Non-stick PTFE film provides an exceptionally slick surface for easy clean-up.</li></ul>
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# 3M™ PTFE Skived Film Tape

5480• 5481

<b>Application Ideas</b>	<ul style="list-style-type: none"><li>• Easy-release surface provided by wrapping rollers, plates, belts, etc. where build-up of sticky materials and inks can occur.</li><li>• Shielding and protecting against chemicals.</li><li>• Mold release for composite or metal bonding.</li><li>• High temperature wire bundling and harnessing.</li><li>• High strength and abrasion resistance reduce friction between surfaces, minimizing squeak and noise.</li><li>• Wide temperature range for performance on heated machinery and equipment.</li></ul> <p><b>CAUTION:</b> When PTFE film tape is exposed to temperatures above 600°F (316°C), small quantities of hazardous vapors may be released. INHALATION OF THESE VAPORS MAY BE HARMFUL OR MAY CAUSE RESPIRATORY TRACT IRRITATION. Do not heat or expose PTFE film tape to temperatures above 600°F (316°C).</p>
<b>Storage</b>	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.
<b>Shelf Life</b>	To obtain best performance, use this product within 24 months from date of manufacture.
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ISO 9001:2000

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Industrial Business  
Industrial Adhesives and Tapes Division  
3M Center, Building 220-3S-06  
800-362-3550 • 577-369-2923 (Fax)  
www.3M.com/industrial



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